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| APPLICATION NO.      | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------|-------------|----------------------|---------------------|------------------|
| 10/620,334           | 07/17/2003  | Xing-Zhi Lin         | LINX3001/BEU        | 8653             |
| 23364                | 7590        | 05/17/2007           | EXAMINER            |                  |
| BACON & THOMAS, PLLC |             |                      | NGUYEN, KIMNHUNG T  |                  |
| 625 SLATERS LANE     |             |                      | ART UNIT            | PAPER NUMBER     |
| FOURTH FLOOR         |             |                      | 2629                |                  |
| ALEXANDRIA, VA 22314 |             |                      |                     |                  |
|                      |             |                      | MAIL DATE           | DELIVERY MODE    |
|                      |             |                      | 05/17/2007          | PAPER            |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

|                              |                             |                  |
|------------------------------|-----------------------------|------------------|
| <b>Office Action Summary</b> | Application No.             | Applicant(s)     |
|                              | 10/620,334                  | LIN, XING-ZHI    |
|                              | Examiner<br>Kimmhung Nguyen | Art Unit<br>2629 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on RCE and Amendment filed on 2/28/07.  
 2a) This action is FINAL.                            2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-6 and 8 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-6 and 8 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

|  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | Paper No(s)/Mail Date _____   |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Continued Examination Under 37 CFR 1.114*

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/28/07 has been entered.
2. This Application has been examined. The claims 1-6 and 8 are pending. The examination results are as following.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-6 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Philyaw (US 7,089,291).

Regarding claim 1, Philyaw discloses in figs. 37-38, a wireless input device (cell phone 3702), comprising a body (battery pack housing 3717) having an opening (to insert a battery

pack, see col. 32, lines 4-20); and a power supply module (removable battery pack 3700) arranged to carry at least one battery (3906); wherein the power-supply module is arranged to be inserted together with said battery into said opening in order to supply power from said battery to said wireless input device, said power-supply module being arranged to be drawn out from the opening together with the battery for replacement of the battery, said power-supply module (removable battery pack 3700) having a cover whose outline (3720) matches an outline of the body so as to form part of a housing of the wireless input device when the power-supply module is inserted into said opening (see fig. 39, see col. 32, lines 4-20).

Regarding claim 2, Philyaw discloses further the body (3717) has a circuit board (3918), fig. 39), and at least a metal plate extending from the circuit board for electrically contacting the batteries (see col. 31, lines 41-54).

Regarding claim 3, Philyaw discloses further, the power-supply module has an carrier for containing the battery; each of side of the carrier having flange, and correspondingly each side of the opening having a groove (3804) for receiving flange (see figs. 37, 38).

Regarding claim 4, Philyaw discloses further the power supply module is fixed to the body by a fixing device (figs. 37, 38).

Regarding claim 5, Philyaw discloses further the fixing device includes a hook (fig. 38) located on the body, and a recess correspondingly located on the power-supplying module (figs. 37, 38).

Regarding claim 6, Philyaw discloses further, wherein the wireless input device is a computer mouse or track ball (see figs. 25, 26, see col. 24, lines 23-30).

Regarding claim 8, Philywa discloses further, wherein the wireless input device could be a game controller because the wireless input device (cell phone) can be apparent that external shell of the reader can be contoured to resemble other animals, e.g., dog, bird, reptiles, fish, etc. or other objects including automobile, trucks, train, trains, aircraft (see col. 29, lines 47-52).

*Correspondence*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Kimnhung Nguyen  
Patent Examiner  
May 122, 2007